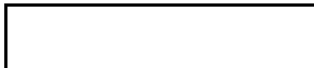


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MONTHLY REPORT



PAR 212

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SUBJECT: Color Acquisition System Review Study

TASK/PROBLEM

1. Investigate color photography as a possible anticipated intelligence color item. Investigation should cover the capability of present and possible future acquisition systems in an attempt to predict future requirements to support exploitation and data reduction of the collected color photographic intelligence material.

DISCUSSION

2. Studies in acquisition materials that are currently available continued. From these studies, the following conclusions were drawn:
- a. The best color acquisition film available is the Ektachrome High Definition Aerial Film, Type SO-121.
 - b. Color aerial photography taken at altitudes of 12,000 to 16,000 feet have too high a scene luminance to simulate high altitude (above 50,000 feet). Since our prime interest is best quality second generation, the duplicating of a simulated high altitude scene on available duplicating material does not truly demonstrate the material's capabilities. As a result, the second generation from a simulated high altitude flight has a degraded quality.

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- c. Generation of actual high altitude originals are of paramount importance to continue the studies. A meeting was held with people relative to this problem.

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PLANNED ACTIVITIES

3. Studies will continue with the aim of obtaining scenes that accurately represent photography at altitudes above 50,000 feet.

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